

# Comparisons of Job Characteristics

Focus Occupation: **Animal Scientists (19-1011)**

Associated Occupation: **Veterinarians (29-1131)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

Focus Occupation: **Animal Scientists (19-1011)**  
Associated Occupation: **Veterinarians (29-1131)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Biology	3.7	19.4	21.1	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	17.3	11.5	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	16.8	5.2	<<	Extensive education and/or training may be required
Mathematics	9.2	13.0	15.7	>	Current knowledge level is likely sufficient
Chemistry	4.8	12.6	14.9	>	Current knowledge level is likely sufficient
Sales and Marketing	5.2	11.2	8.6	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	9.8	7.6	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: **Animal Scientists (19-1011)**  
Associated Occupation: **Veterinarians (29-1131)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	15.2	15.1	0	Current skill level may be sufficient
Reading Comprehension	10.7	14.7	15.4	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	12.8	13.3	0	Current skill level may be sufficient
Active Learning	8.7	12.4	11.9	0	Current skill level may be sufficient
Service Orientation	7.9	11.4	8.1	<<	Extensive development of skills in this area may be required

Operations Analysis	5.0	8.8	7.3	<	A higher skill level may be required
---------------------	-----	-----	-----	---	--------------------------------------

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 87			
Focus Occupation: Animal Scientists (19-1011) Associated Occupation: Veterinarians (29-1131)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Inductive Reasoning	10.2	16.7	14.9	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	16.5	13.6	<	Some improvement in abilities may be required
Oral Comprehension	12.5	15.0	16.4	0	Current ability level may be sufficient
Deductive Reasoning	10.6	14.5	14.2	0	Current ability level may be sufficient
Near Vision	11.1	13.0	12.6	0	Current ability level may be sufficient
Information Ordering	9.9	12.0	12.3	0	Current ability level may be sufficient
Finger Dexterity	7.6	11.0	5.3	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.0	7.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Animal Scientists (19-1011) Associated Occupation: Veterinarians (29-1131)		
Work Activities	Exclusivity of Activity	
Communicate technical information	4	
Follow infectious materials procedures	52	
Identify animal species	82	
Identify livestock characteristics	81	
Make decisions	24	
Recognize disease or parasites in animals	72	
Understand animal habits or needs	89	
Use animal disease control techniques	82	
Use knowledge of investigation techniques	16	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 72

**Focus Occupation: Animal Scientists (19-1011)**  
**Associated Occupation: Veterinarians (29-1131)**

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18
Computers	1
Content authoring and editing software	1
Data management and query software	1
Harness goods	47
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Laboratory centrifuges and accessories	13
Laboratory microscope slides and supplies	20
Laboratory pumps and tubing	23
Medical ultrasound and doppler and echo imaging products	19
Network applications software	1
Pipettes and liquid handling equipment and supplies	16
Poultry and livestock equipment	33
Specimen collection and transport containers and supplies	14
Syringes and accessories	14
Veterinary equipment	40
Viewing and observing instruments and accessories	4
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.